| Electronic Acknowledgement Receipt   |                                                                                                                     |  |  |  |  |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| EFS ID:                              | 3300553                                                                                                             |  |  |  |  |
| Application Number:                  | 10677191                                                                                                            |  |  |  |  |
| International Application Number:    |                                                                                                                     |  |  |  |  |
| Confirmation Number:                 | 8302                                                                                                                |  |  |  |  |
| Title of Invention:                  | Solar cell structure with integrated discrete by-pass diode                                                         |  |  |  |  |
| First Named Inventor/Applicant Name: | Gregory S. Glenn                                                                                                    |  |  |  |  |
| Correspondence Address:              | Carmen Santa Maria McNees Wallace & Nurick LLC 100 Pine Street P.O. Box 1166 Harrisburg PA 17108-1166 US 7172375226 |  |  |  |  |
| Filer:                               | Carmen S. Santa Maria/Kerri Kirk                                                                                    |  |  |  |  |
| Filer Authorized By:                 | Carmen S. Santa Maria                                                                                               |  |  |  |  |
| Attorney Docket Number:              | PD-02-0360/11836 (21797-0                                                                                           |  |  |  |  |
| Receipt Date:                        | 14-MAY-2008                                                                                                         |  |  |  |  |
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| Time Stamp:                          | 10:01:51                                                                                                            |  |  |  |  |
| Application Type:                    | Utility under 35 USC 111(a)                                                                                         |  |  |  |  |
| Pavment information:                 |                                                                                                                     |  |  |  |  |

## Payment information:

| Submitted with Payment | no |
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| File Listing:          |    |

| Document<br>Number              | Document Description          | File Name                                    | File Size(Bytes)<br>/Message Digest | Multi<br>Part /.zip | Pages<br>(if appl.) |  |  |  |
|---------------------------------|-------------------------------|----------------------------------------------|-------------------------------------|---------------------|---------------------|--|--|--|
| 1 Reply Brief Filed             | Donly Priof Filad             | A1148304.PDF                                 | 126080                              | no                  | 8                   |  |  |  |
|                                 | A1140304.FDF                  | 7fa6c6665890a9499811b7a9c2259e9e<br>6961b373 | 110                                 | O                   |                     |  |  |  |
| Warnings:                       |                               |                                              |                                     |                     |                     |  |  |  |
| Information:                    |                               |                                              |                                     |                     |                     |  |  |  |
| 2 Miscellaneous Incoming Letter | Miccollaneous Incoming Letter | A1143731.PDF                                 | 80116                               | no                  | 3                   |  |  |  |
|                                 | A1143/31.FDF                  | 91748c2eeeb224f745422bd361ff3c783<br>44e3d2d | no                                  | ა<br>               |                     |  |  |  |
| Warnings:                       |                               |                                              |                                     |                     |                     |  |  |  |
| Information:                    |                               |                                              |                                     |                     |                     |  |  |  |
| 3 Miscellaneous Incoming Letter | A1144143.PDF                  | 176368                                       | no                                  | 7                   |                     |  |  |  |
|                                 |                               | 920ff668712fca5b7790bf02f9ef1c3842<br>06b74f |                                     |                     |                     |  |  |  |
| Warnings:                       |                               |                                              |                                     |                     |                     |  |  |  |
| Information:                    |                               |                                              |                                     |                     |                     |  |  |  |
| 4 Miscellaneous Incoming Letter | A1148422.PDF                  | 17501                                        | no                                  | 1                   |                     |  |  |  |
|                                 |                               | bd9ee5ddc44946e2f44282baccdf0c47c<br>badfe50 |                                     |                     |                     |  |  |  |
| Warnings:                       |                               |                                              |                                     |                     |                     |  |  |  |
| Information:                    |                               |                                              |                                     |                     |                     |  |  |  |
|                                 |                               | Total Files Size (in bytes)                  | 40                                  | 00065               |                     |  |  |  |

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## New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

## National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

## New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.